

ABSTRACT

A purpose of the present invention is to provide an image processing apparatus and an image processing method capable of independently converting the frequency characteristics of particular hue components in a color image.

In an image processing apparatus for converting the frequency characteristics of first color data representing a color image and outputting second color data corresponding to the first color data, an image processing apparatus according to the present invention has a hue region data calculation means for using the first color data to calculate first hue region data valid for a plurality of particular hue components in the color image represented by the first color data, a frequency characteristic conversion means for converting the frequency characteristics of the first hue region data independently for each of the hue components and thereby outputting second hue region data, and means for calculating the second color data by using the second hue region data.